

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes ☒
no ☐

Property Name: Indian Head Extrusion Plant Historic District Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ☒ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: ☒ no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? _____ yes _____ no

If the property is within a district District Inventory Number: _____
NR-listed district _____ yes Eligible district _____ yes Name of District: _____
Preparer's Recommendation: Contributing resource _____ yes _____ no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ☒ yes _____ no

Criteria: ☒ A ☐ B ☒ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ None

Documentation on the property/district is presented in:

Indian Head Division, Naval Surface Warfare Center, Historic and Archeological Resource Protection Plan CH 94

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

The Extrusion Plant (EXP) Historic District encompasses both the Extrusion Plant and the Ballistic Laboratory (now the Small Motor Test area). These facilities are situated adjacent to one another, along the southern edge of the installation facing Mattawoman Creek. The EXP District contains 62 contributing and 59 non-contributing buildings for a combined total of 121 resources. The district includes laboratories, magazines, and industrial production facilities.

The EXP Historic District meets two of the national Register Criteria for Evaluation. Under Criterion A, the Extrusion Plant is significant on a national level as the first full-scale rocket propellant production facility operated by and for the Navy. The establishment of the Indian Head Extrusion Plant (in operation by mid-1943) marked the first full-scale production facility for the Navy. The Extrusion Plant meets the requirements of Criterion C for its unique design. Both the layout of the plant and the buildings comprising the plant illustrate an industrial process important to the Navy and to the historical development of ordnance technology.

The period of significance for the EXP Historic District extends from 1943, when the plant was established, to 1946, when the plant temporarily deactivated after the war. The Extrusion Plant generally has remained in continuous use since it was constructed. Despite the loss of integrity of some of the buildings and the addition of new buildings to the plant, the historic

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ☒ Eligibility not recommended _____

Criteria: ☒ A ☐ B ☒ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ None

MHT Comments

Documentation reviewed by Lauren Bowlin-eligibility determination concurrence by Trust. The Trust has never received the MIHP forms

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

NR-ELIGIBILITY REVIEW FORM

Inventory Number: CH-493

Indian Head Extrusion Plant Historic Distri

Page 2

layout of the plant and the majority of the buildings comprising the plant remain intact. Collectively, the buildings and landscape retain sufficient integrity to illustrate the important propellant production and testing process as established during the 1940s.

Prepared by: L. Campbell & T. Davis/R.C.Goodwin Date Prepared: 05/01/1998

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN INDIAN HEAD EXTRUSION
PLANT HISTORIC DISTRICT

C=CONTRIBUTING NC=NON-CONTRIBUTING

BUILDING NUMBER	TITLE	NR STATUS
529	PRESS HOUSE NO.1	C
531	PRESS HOUSE NO. 2	C
532	PRESS HOUSE NO.3	C
534	SOAKING OVEN	C
535	SOAKING OVEN	C
536	HEATING OVEN BUILDING NO. 3	C
557	HIGH FREQUENCY PREHEATER HOUSE	C
560	PRESS HOUSE NO. 6	C
561	PRESS HOUSE NO. 7	C
562	PRESS HOUSE NO. 8	C
563	PRESS HOUSE NO. 9	C
564	PRESS HOUSE NO. 10	C
565	PRESS HOUSE NO. 11	C
567	OVEN BUILDING NO.4	C
568	OVEN BUILDING NO. 5	C
569	OVEN BUILDING NO. 6	C
570	OVEN BUILDING NO.7	C
576	HI-FREQUENCY PREHEATING HOUSE NO.2	C
577	CHARGE PREPARATION BUILDING NO.4	C
579	ANNEALING OVEN BUILDING	C
584	CHARGE PREPARATION BUILDING NO. 3	C
585	HI-FREQUENCY PREHEATING HOUSE NO. 3	C
527	MIX CONTROL BUILDING NO.1	C
528	STORAGE BUILDING	C
530	FLUOROCARBON MIX BUILDING	C
533	REAL TIME X-RAY FACILITY	C
537	FLUOROCARBON WEIGHTING BUILDING	C
538	STORAGE BUILDING-EQUIPMENT	C
539	MAGAZINE	C
540	MAGAZINE	C
541	MAGAZINE	C
542	MAGAZINE	C
544A	TEMPERATURE CONDITIONING BUILDING	C
544B	BOMB LABORATORY/TORPEDO WORKSHOP 544C	C
544C	COMBINED WITH 544B	C
544D	ELECTRONIC PHYSICAL LABORATORY	C
547	BALLISTIC TEST BUILDING	C
548	MAGAZINE	C
558A	TEMPERATURE CONDITIOING BUILDING	C

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN INDIAN HEAD EXTRUSION
PLANT HISTORIC DISTRICT

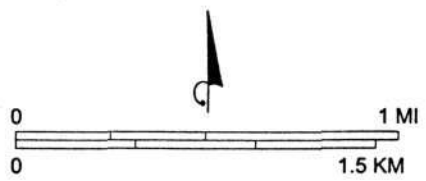
BUILDING NUMBER	TITLE	NR STATUS
558	BALLISTIC TEST BUILDING	C
571	MACHINE BUILDING NO.2	C
573	MAGAZINE	C
574	MAGAZINE	C
575	MAINTENANCE SHOP-EXTRUSION PLANT	C
578	MAGAZINE	C
580	MOTOR LOADING BUILDING	C
583	MAGAZINE	C
586	MAGAZINE	C
587	GAUGE CALIBRATING BUILDING	C
589	MAGAZINE	C
590	RETAIL OUTLET NO.7	C
591	POWDER DISTRIBUTION BUILDING	C
593	MAGAZINE	C
595	TOILET BUILDING	C
601	CHANGE HOUSE	C
602	IGNITER MANUFACTURING BUILDING	C
603	OPERATING BUILDING	C
604	MAGAZINE	C
1149	HEATER HOUSE	C
1232	ATTENDANT SHED	C
1233	ATTENDANT SHED	C
1234	ATTANDANT SHED	C
526	EXTRUSION PLANT OFFICE BUILDING	NC
543	MULTI-BAY PROCESSING BUILDING-EXPLOSIVES	NC
544	BALLISTIC TEST BUILDING	NC
559	BALLISTIC OFFICE/CHANGE HOUSE	NC
566	PRESS HOUSE NO. 12	NC
572	ROCKET LOADING BUILDING	NC
581	EXTRUSION DIVISION OFFICE BUILDING	NC
582	TEST OFFICE/METALLURGY LABORATORY	NC
588	MOTOR LOAD BUILDING	NC
611	CHANGEHOUSE/LUNCHROOM	NC
809	STOREHOUSE-SOLVENTS	NC
844	WAREHOUSE STORAGE BUILDING-MOTOR LOAD	NC
866	CAFETERIA/STORAGE BUILDING-INERT	NC
871	ANNEALING OVEN BUILDING	NC
946	ELECTRICAL SUPPORT BUILDING	NC
1043	AIR CONDITIONING BUILDING	NC
1062	MAGAZINE	NC
1063	MAGAZINE	NC
1064	MAGAZINE	NC

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN INDIAN HEAD EXTRUSION
PLANT HISTORIC DISTRICT

BUILDING NUMBER	TITLE	NR STATUS
1065	MAGAZINE	NC
1066	MAGAZINE	NC
1067	MAGAZINE	NC
1068	MAGAZINE	NC
1112	STORAGE SHED-DRUM	NC
1113	CHEMICAL BUILDING	NC
1114	HEATHER HOUSE	NC
1148	STORAGE SHED	NC
1153	STORAGE SHED	NC
1154	STORAGE SHED-INERT	NC
1155	STORAGE BUILDING-INERT	NC
1156	STORAGE BUILDING-INERT	NC
1191	COOLING SHED-EXPLOSIVES	NC
1204	STORAGE SHED	NC
1206	STORAGE SHED	NC
1251	SCRAP SHED	NC
1279	STORAGE SHED -EXPLOSIVES	NC
1287	SCRAP SHED-INERT	NC
1289	SCRAP SHED-EXPLOSIVES	NC
1296	STORAGE SHED	NC
1301	TRANSFORMER STATION	NC
1303	TRANSFORMER STATION	NC
1352	CHEMICAL STORAGE TANKS AREA	NC
1383	TOOL/DIE BUILDING	NC
1443	CENTRIFUGE BUILDING	NC
1478	CHLORINATOR EQUIPMENT BUILDING	NC
1480	PUMPING STATION#13	NC
1487	STORAGE SHED	NC
1488	SHELTER-WORK SUPPORT	NC
1700	GENERATOR/HOUSING/PUMPING STATION	NC
1717	STORAGE BUILDING	NC
1722	STORAGE SHED-GRAIN	NC
1723	STORAGE SHED-GRAIN	NC
1724	STORAGE SHED-GRAIN	NC
1725	STORAGE SHED-GRAIN	NC
1726	STORAGE SHED-GRAIN	NC
1727	STORAGE SHED-GRAIN	NC
1743	STORAGE SHED-EXPLOSIVES	NC
1756	STORAGE SHED-HAZARDOUS WASTE	NC
1838	STORAGE BOX-HAZARDOUS MATERIALS	NC



- CH-493
District



EXCERPT FROM THE 1966 (PHOTOREVISED 1978) INDIAN HEAD,
MARYLAND/VIRGINIA 7.5' USGS QUADRANGLE SHOWING THE
APPROXIMATE HISTORIC DISTRICT BOUNDARIES.

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Building 526 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: INDIAN HEAD Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. NAVY Is the property being evaluated a district? _____ yes
Tax Parcel Number: N/A Tax Map Number: N/A Tax Account ID Number: N/A
Project: _____ Agency: U.S. NAVY
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: INDIAN HEAD EXTRUSION PLANT HISTOR
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources survey of Stump Neck Annex and Supplemental Architectural Investigations, IH NSWC, CH Co., MD

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 526 is a one-story, brick, office building set on a concrete foundation. The building is ten bays wide and one bay deep and features a low-pitched hipped roof clad with composition shingles. The roof contains five ventilators and features wide overhanging eaves. Entryways located on the south and east elevations are defined by vestibule porches that shelter single metal-door entrances. Brick arched window openings contain paired metal-frame, one-over-one-light, double hung sash replacement windows.

Building 526 was originally constructed as a change house and has recently been renovated to accommodate offices. Modifications to the building include replacement windows, doors, and roofing materials. The original entrances have been enclosed with vestibule porches. These alterations have removed or obscured primary character defining features of the structure and the building no longer possesses integrity of design and materials during the period of significant for the Extrusion Plant.

Building 526 was constructed in 1943 as a change house at the Extrusion Plant (1943-1946), and industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LLBowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

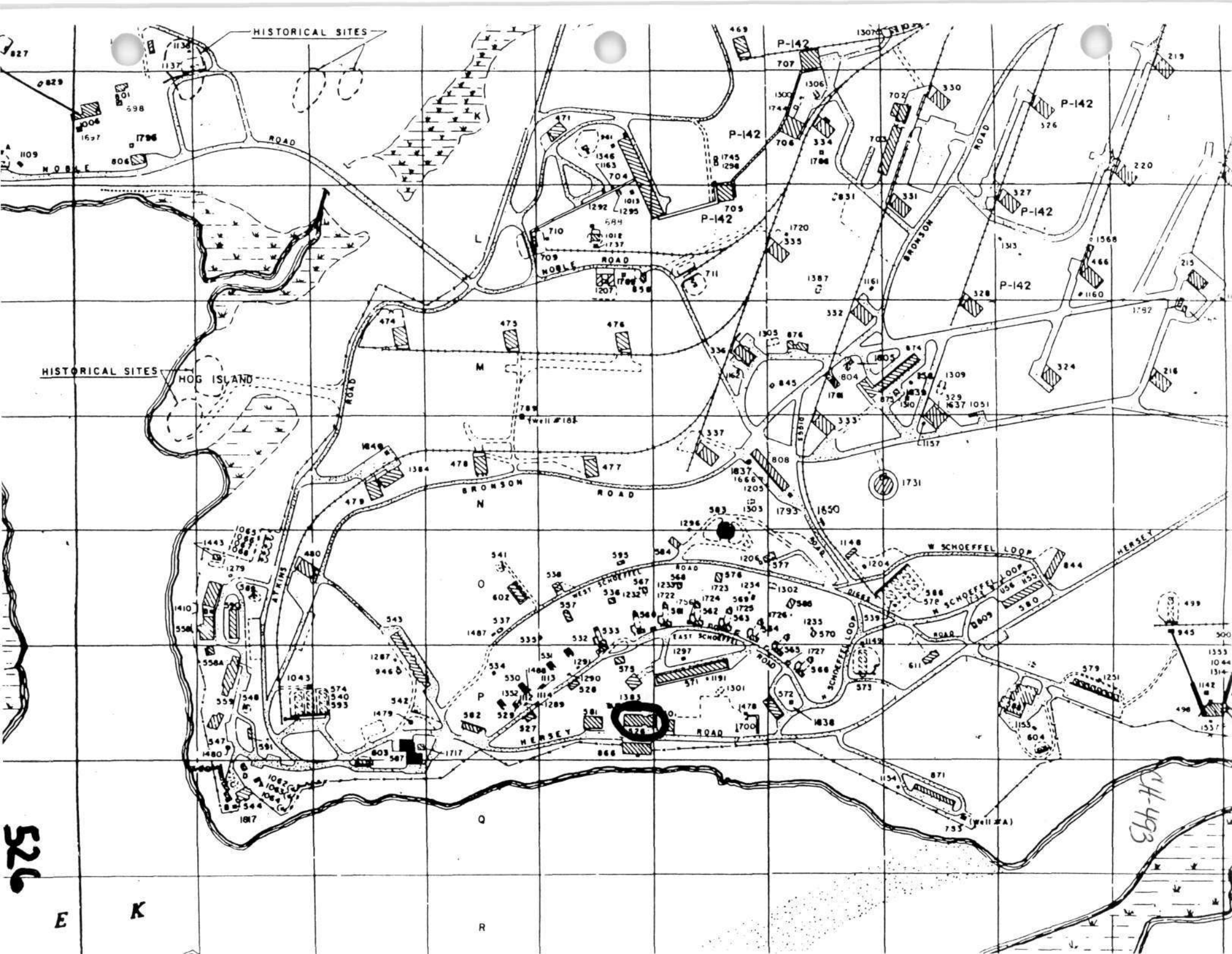
January 17, 1998

Date

Building 526 Indian Head NSWCPage 2

comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance technology. Building 526 was a minor administrative and personnel support structure not directly associated with the extrusion process. In addition, the building no longer possesses sufficient integrity of design to convey significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., IncDate Prepared: 05/06/1998





CH-493

Bldg. 526

CHARLES COUNTY

JOHN MILNER, Assoc

1995

JOHN MILNER, Assoc.

SE ELEVATION OF EXTRUSION PLANT OFFICE BUILDING

TCP 83-02 NHHHHH 0300 016

8.25

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Buliding 544 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles County, Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 544 if a one-story, wood-frame building with a concrete block addition set on a concrete foundation. The building is clad with fiberboard. The flat roof with boxed eaves is built-up to accommodate modern ventilation systems within the building. The building features multiple entrances including two single wood-panel doors with nine lights and one set of wood double doors with nine lights. Four roll-up metal doors are located on the east elevation. The windows are wood-frame six-over-six-light, double-hung sash units.

Building 544 was originally constructed as a simple one-story test building. Alterations include a one-story, concrete-block, gable roof addition to the west elevation, replacement siding, and roll-up metal doors on the east elevation. These alterations have changed the historic surfaces and the original fenestration of the building. Modern ventilation systems and a one-story addition have compromised the massing, scale, and plan of the building. Due to these alterations, the building no longer possesses integrity of design or materials

Building 544 was constructed in 1943 as a ballistic test building at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

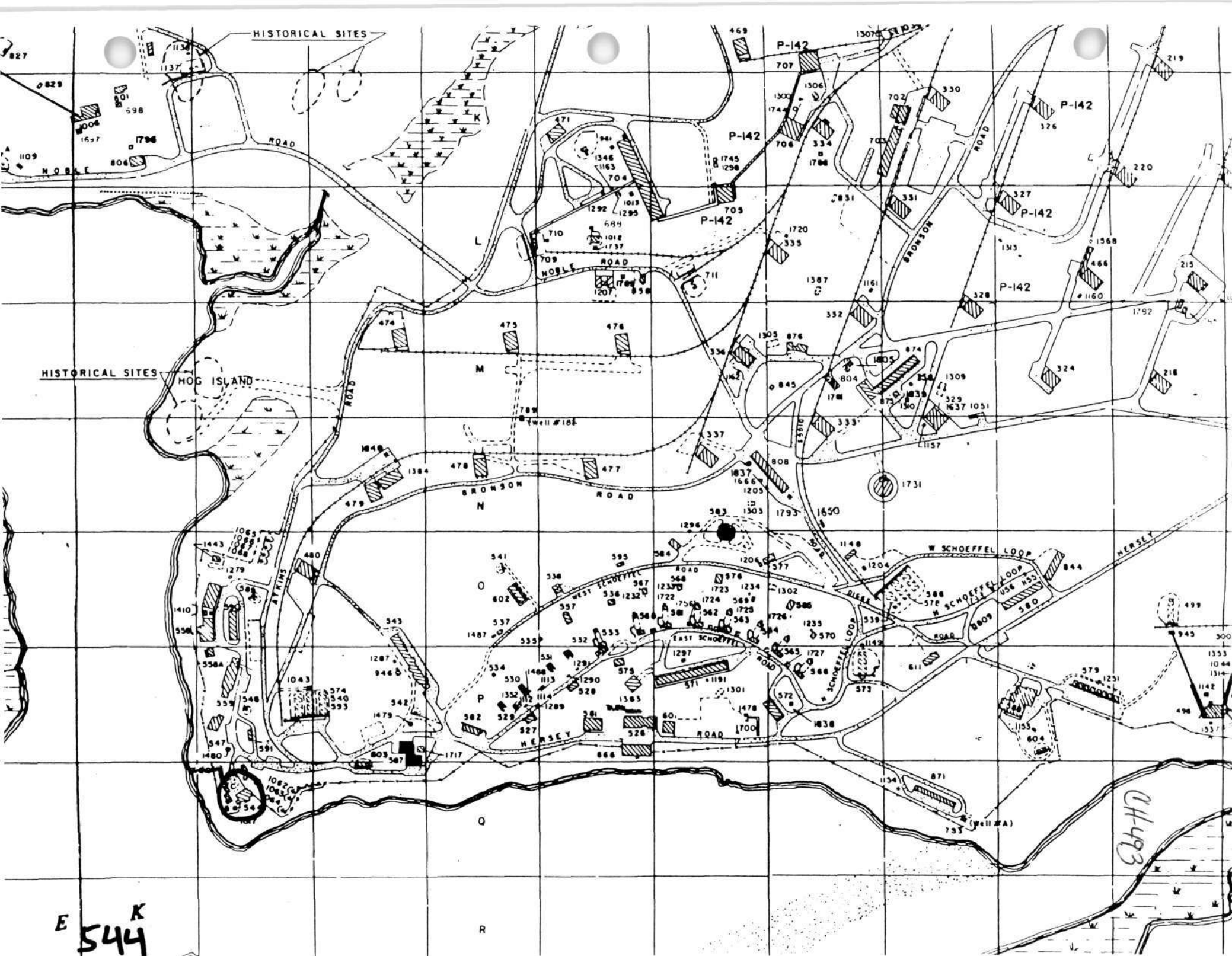
July 17, 1998

Date

Building 544 Indian Head NSWCPage 2

buildings comprising the plant illustrate an industrial process important to the Navy and to the historical development of ordnance technology. Building 544 no longer possesses sufficient integrity of design and materials to convey its significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., IncDate Prepared: 05/06/1998



E 544 K

CH-493



CH-493

Bldg. 544

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SE ELEVATION OF BALLISTIC TEST BUILDING

TCT 03 01 111111 03AU 010

134

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Buliding 559 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles County, Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 559 is a one-story, brick building set on a concrete slab foundation constructed in 1944. A two-story addition clad in brick and aluminum siding is located on the rear elevation. The flat roof on the original section of Building 559 is concrete; the gable end roof of the addition is clad in composition shingles. The building contains multiple entrances including two metal doors and one wood door with three lights. Windows include wood-frame, six-over-six-light, double-hung sash and metal frame, one-over-one-light, double-hung sash units.

Building 559 was originally constructed as a one-story office. Alterations to the building include a two-story, three-bay, gable roof, brick and vinyl sided addition on the west elevation and a one-story, flat roof, metal-frame entry vestibule on the east elevation. The building also includes select window and door replacements. Alterations have removed historic character defining features of the building and have significantly changed the original form and massing of the building. Due to these modifications, the structure no longer possesses integrity of design.

Building 559 was constructed in 1944 as a ballistic office and change house at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

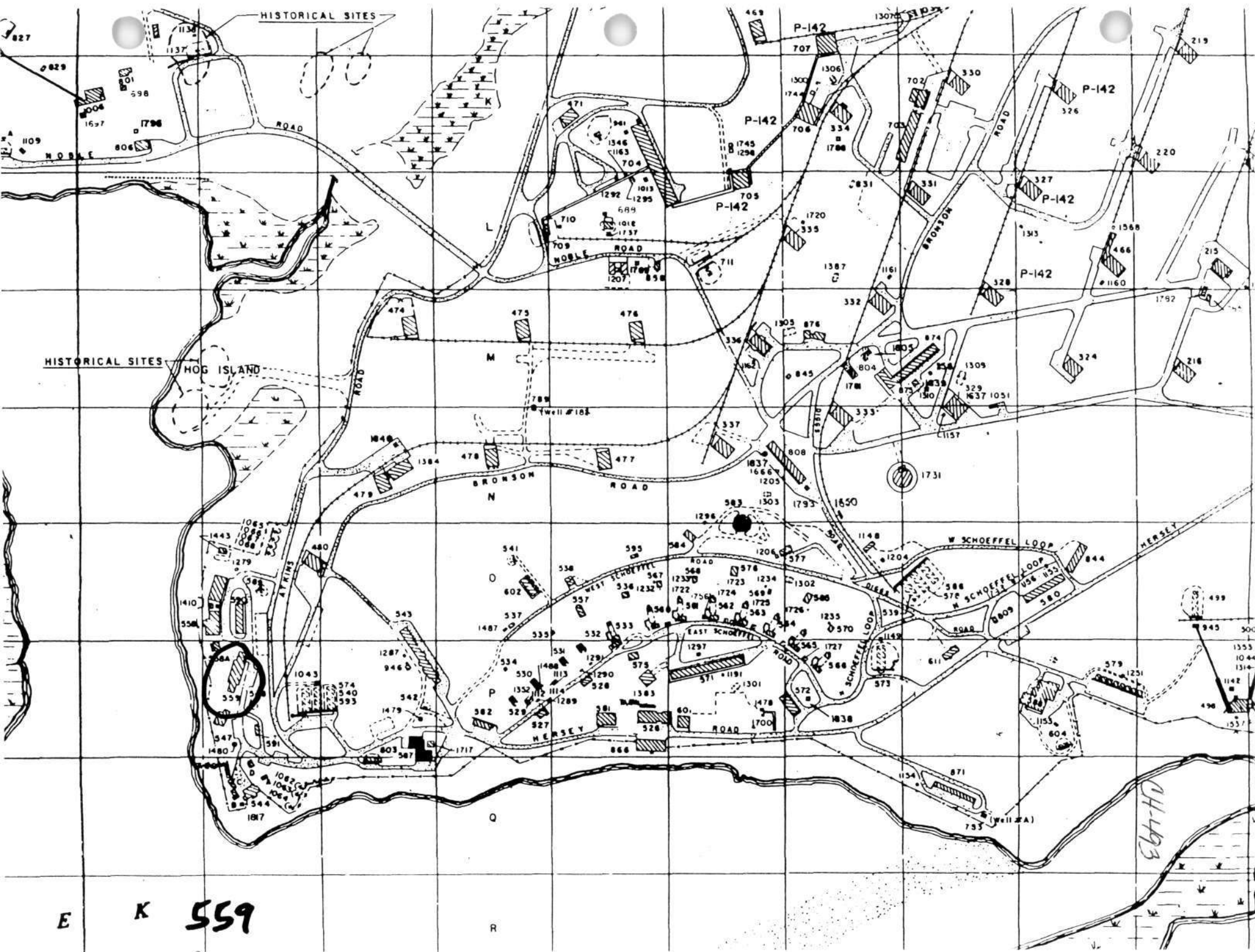
July 17, 1998

Date

Building 559 Indian Head NSWCPage 2

production buildings comprising the plant illustrate an industrial process important to the Navy and to the historical development of ordnance technology. Building 559 no longer possesses sufficient integrity of design and materials to convey its significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., Inc Date Prepared: 05/06/1998





CH-493

Bldg. 559

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SW ELEVATION OF BALLISTIC OFFICE / CHARGE HOUSE

TCP 83-83-111111-87AU 815

12.16

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Building 566 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 566 is a one-story, brick building with a concrete-block addition set on a concrete slab foundation. The building has earth berms on two sides. The flat roof is built-up with modern ventilation and steam pipes. Entries include one single wood door with three lights and two sets of wood double doors with glass lights. The building contains two double-hung, wood sash windows; one with four-over-four-lights and the other with six-over-six-lights.

Building 566 is one of several press houses located along the extrusion production line. With the exception of Building 566, all the press houses possess excellent integrity. Modifications to this structure include a one-story, one-bay, concrete block, shed roof addition to the east elevation and the replacement of all mechanical and environmental systems. Ductwork, vents, and motors added to the primary elevation of the building have obscured historic surfaces and features of the building. Due to these alterations and the presence of other identical resources with excellent integrity it was determined the building no longer possesses integrity of design and feeling.

Building 566 was constructed in 1944 as a press house at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

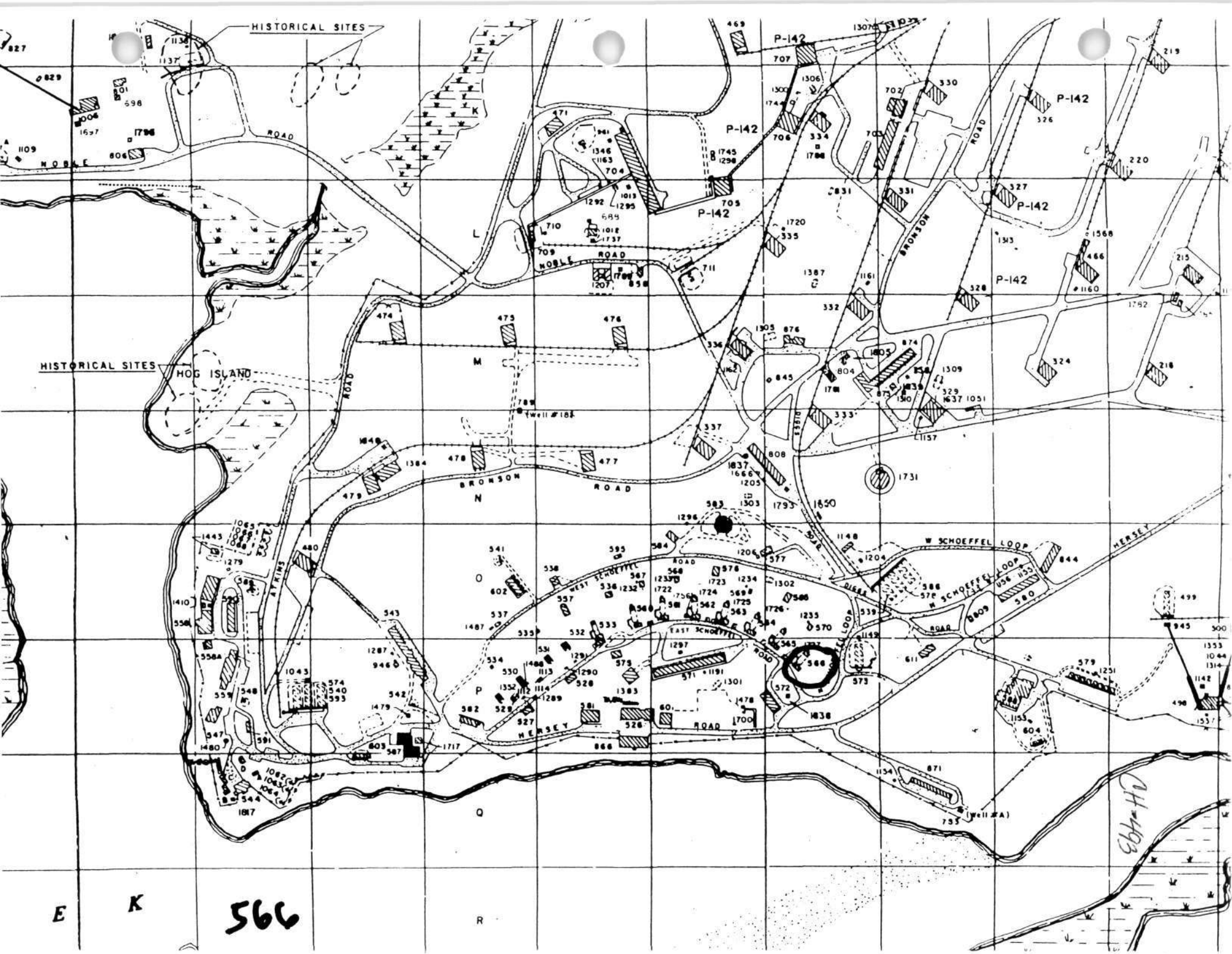
July 17, 1998

Date

Building 566 Indian Head NSWCPage 2

comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance technology. Building 566 was constructed as a press house and contained machinery important in the extrusion process. Building 566, no longer possesses sufficient integrity of design, feeling, and materials to convey its significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., IncDate Prepared: 05/06/1998



E

K

566

R



CH-493
Bldg 566

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SV. ELEVATION OF PRESS HOUSE No. 12

TCC 03:00 NNNNN 11AU 022

9.7

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Building 572 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 572 is a one-story, poured concrete structure set on a concrete slab foundation. A shed-roof that features a low square tower surmounts the building. A one-story, corrugated asbestos, shed roof porch has been added to the west elevation. The rear elevation exhibits an enclosed, one-story, corrugated metal, shed roof addition. Entries include four sets of wood double-doors with lights and one wood singel door with one light.

Buildign 572 was constructed as a three-bay, one-story finishing building. The building contains two modernt corrugated-steel additions on the side and rear elevations associated with the use of the building as a rocket loading facility. These additions are composed of incompatible materials with the original structure and have changed the original forma nd massing of the building. Due to these modifications, the building no longer possesses integrity of design or materials.

Building was constructed in 1945 as a finishing building at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance technology. Building 572 was utilized to loat rockets with finihsed propellant after the extrusion process. Building 572, no

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

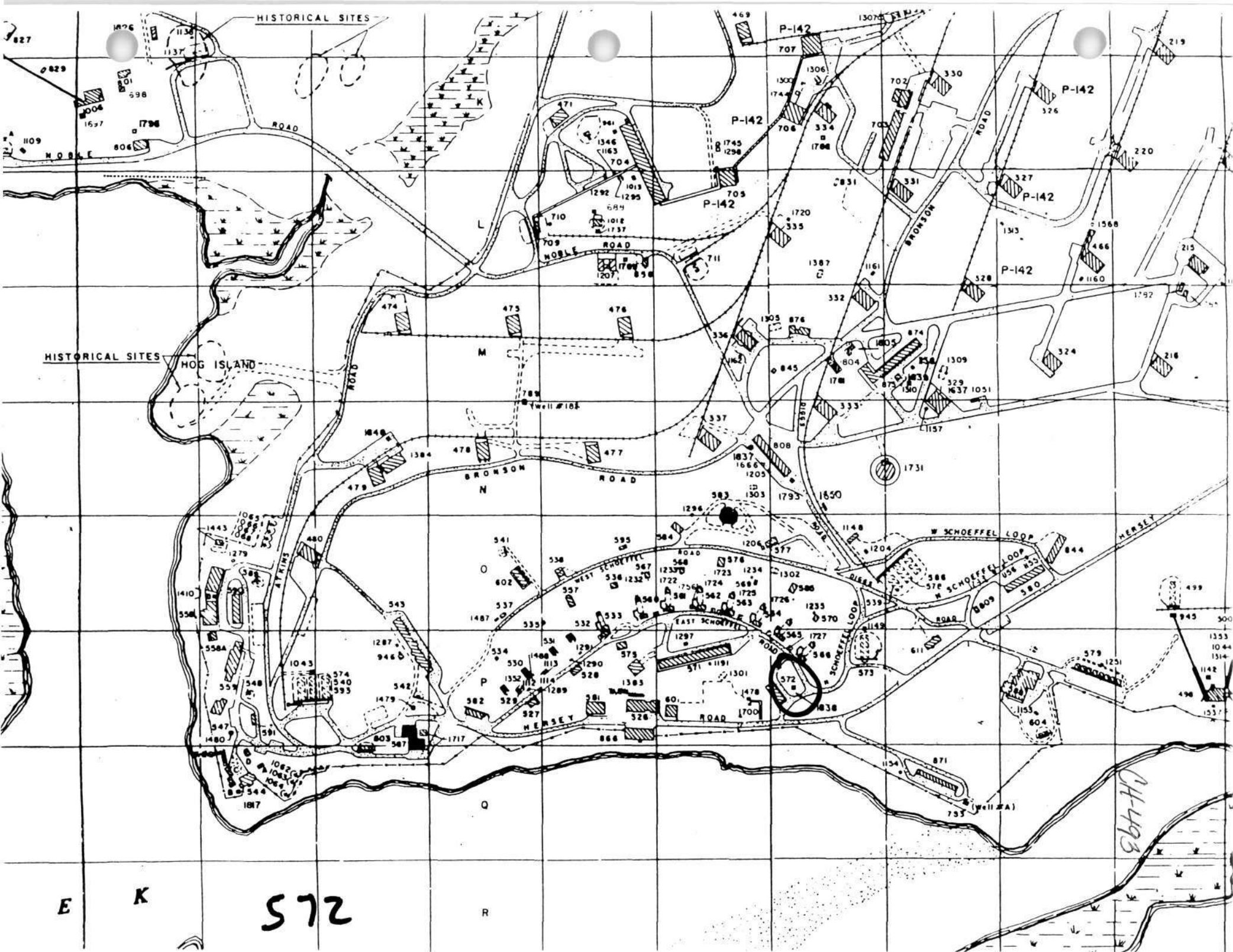
Date

Building 572 Indian Head NSWC

Page 2

longer possesses sufficient integrity of design, feeling, and materials to convey its significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., Inc Date Prepared: 05/06/1998





GOVERNMENT
VEHICLES
ONLY

572

CH-493

Bldg 572

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

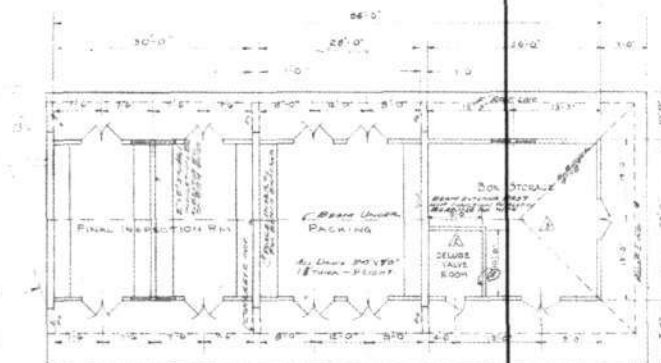
ELEVATION OF ROCKET LOADING BUILDING

TCP 83100 MINN 13AU 822

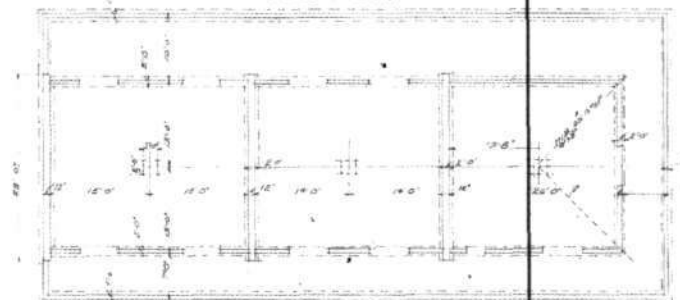
9-5

CH-493

Building 580, Indian Head NSWC
Extrusion Plant Historic District
Indian Head, Charles Co., Md.



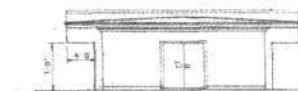
FLOOR PLAN



FOUNDATION PLAN



FRONT ELEVATION



END ELEVATION

[illegible]

CH-493

CH-493

REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL

NOTES

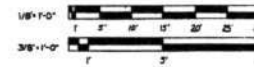
- ALL DIMENSIONS ARE TO BE VERIFIED ON SITE BEFORE FABRICATION OF ANY EQUIPMENT.
- EACH AHU SHALL HAVE A CAPACITY OF 14,000 CFM AND BE CAPABLE OF HEATING 1500 CFM FROM 147° TO 80°F W/ 5 PSI STEAM @ 3 IN. WG. EXTERNAL STATIC PRESSURE. COILS SHALL BE NON-FREEZE TYPE W/ RED BRASS TUBING (FACE VELOCITY OF 600 FPM). FAN SHALL BE FORWARD CURVED BLADE CENTRIFUGAL. AHU AND ASSOCIATED HARDWARE SHALL BE LOCATED IN SUCH A WAY AS NOT TO INTERFERE W/ FOOT TRAFFIC OR DOORS.
- STEAM TRAPS SHALL HAVE A 400 LBS./HR. CAPACITY.
- RADIATOR ON NORTH WALL IS TO REMAIN. HOT WATER PIPING TO THE RADIATOR ON SOUTH WALL IS TO BE CAPPED.
- AIR PRS IS FROM 10 PSI TO 20 PSI.
- STEAM PIPING FOR AHU#2 IS SIMILAR TO STEAM PIPING FOR AHU#1.
- EXHAUST FAN SHALL HAVE 1500 CFM CAPACITY W/ 3 IN. HG. EXTERNAL STATIC PRESSURE. FAN SHALL BE TYPE C.
- SLOPE OF ACETONE SUPPLY, ACETONE WASTE, AND CONDENSATE LINES SHALL BE 1" EVERY 4' OF RUN.
- TEMP CONTROL IS DESIGNED WHEN RESPECTIVE EXHAUST FAN IS STARTED. DIRECT ACTING THERMOSTAT CONTROLS THE MODULATING VALVE. SET TEMP. IS 65°F W/ THROTTLING RANGE OF 5°F. THROTTLING RANGE OF PNEUMATICS IS 3 TO 13 PSI. FREEZE-STAT DE-ENERGIZES EXHAUST AND AHU FANS WHEN AIR TEMP. ACROSS COILS IS BELOW 40°F.
- ACETONE WASTE & ACETONE SUPPLY LINES SHALL BE SCHEDULE 40 TYPE 304 STAINLESS STEEL.
- MODULATING VALVE SHALL HAVE A VALVE CONSTANT (CV) OF 3.55.
- HOSE SHALL BE 3" DIA. NYLON.
- DE SWITCH SHALL BE EXPLOSION PROOF, DOUBLE POLE DOUBLE THROW, NORMALLY OPEN CONTACTS, 3 AMP RATING, 15 PSI. PENDENT SPRINKLER HEADS SHALL BE 165°F RATED W/ LEAD COATED FINISH.
- 14 RUN CONDENSATE LINE TO DAYLIGHT.
- WORKBENCH TO BE REMOVED IS WOOD CONSTRUCTION W/ STEEL BRACING.

SYMBOLS

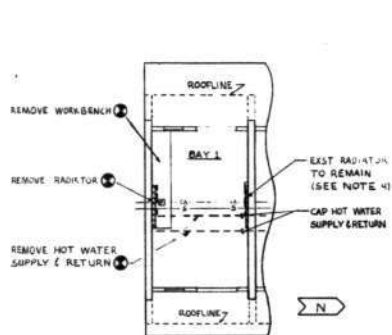
⊖	THERMOSTAT	⊕	NEW WORK
⊖	CAP	⊖	DEMOLITION
⊖	BALL VALVE	⊖	THERMOSTATIC TRAP
⊖	GLOBE VALVE	⊖	REGULATOR/FILTER
⊖	MODULATING VALVE	⊖	RELIEF VALVE
⊖	SELF-CLOSING BALL VALVE	⊖	REDUCER
⊖	CHECK VALVE	⊖	UNION
⊖	GATE VALVE	⊖	VACUUM BREAKER
⊖	AIR FILTER STATION	⊖	WYE-STRAINER
⊖	STEAM	⊖	PRESSURE GAUGE
⊖	CONDENSATE	⊖	SOLENOID
⊖	COMPRESSED AIR		
⊖	HOT WATER		
⊖	RW - RIVER WATER		
⊖	PW - POTABLE WATER		
⊖	A - ACETONE SUPPLY		
⊖	W - ACETONE WASTE		
⊖	⊖	⊖	
⊖	⊖	⊖	

ABBREVIATIONS

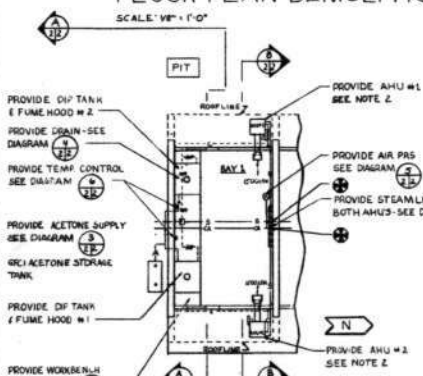
PRD - PRESSURE REDUCING STATION
 GFCI - GOVERNMENT FURNISHED - CONTRACTOR INSTALLED
 EXIST - EXISTING
 MIN - MINIMUM
 AHU - AIR HANDLING UNIT
 FPM - FEET PER MINUTE
 IN WG - INCHES WATER



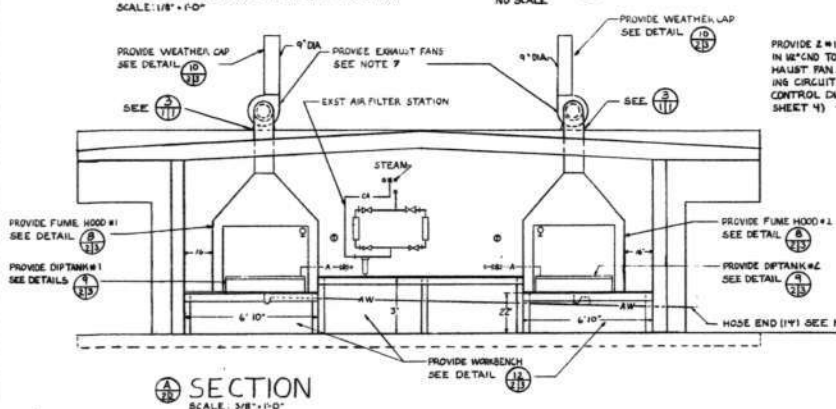
DES. YOUNG, J. M.		DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND	
PROJECT NO. 101-101		NAVAL OCEANOGRAPHIC STATION	
DATE 10/1/65		101-101-101	
DRAWN BY J. M. YOUNG		CHECKED BY J. M. YOUNG	
APPROVED BY J. M. YOUNG		DATE 10/1/65	
SIZE CODE IDENT NO. NAUTIC DRAWING NO.		F 80091 3127401	
REPRODUCTION TO: DATE 10/1/65		CONTRACT NO. N61477-65-C-7016	
SCALE GRAPHIC		SPEC. 21-85-1016 SHEET 2 OF 4	



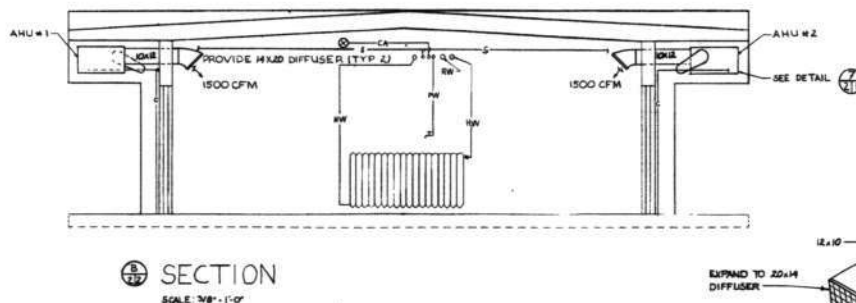
FLOOR PLAN-DEMOLITION



FLOOR PLAN-NEW WORK



SECTION



SECTION

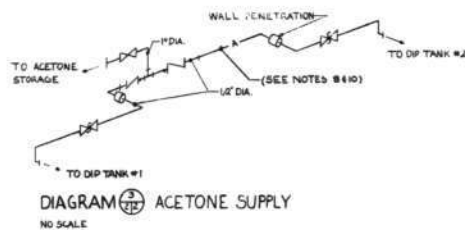


DIAGRAM ACETONE SUPPLY

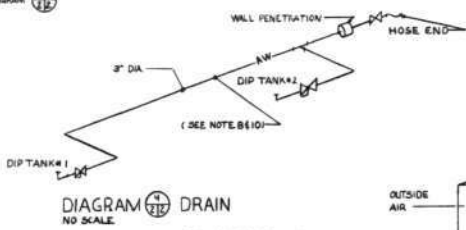


DIAGRAM DRAIN

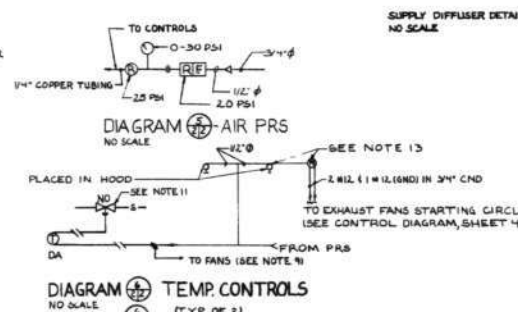


DIAGRAM AIR PRS

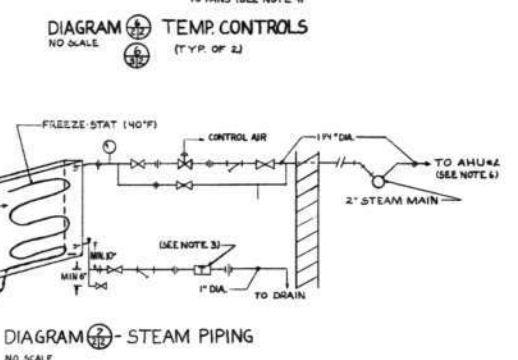
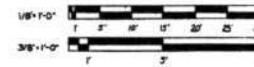


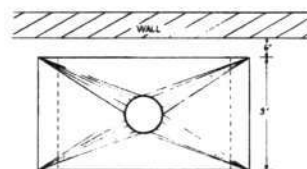
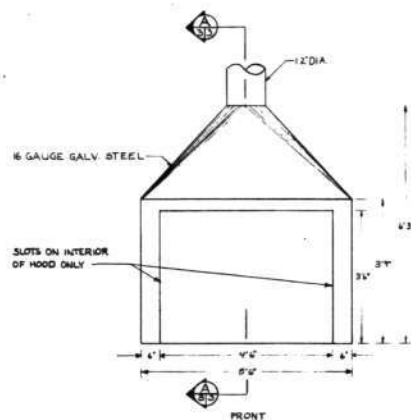
DIAGRAM TEMP. CONTROLS

DIAGRAM STEAM PIPING

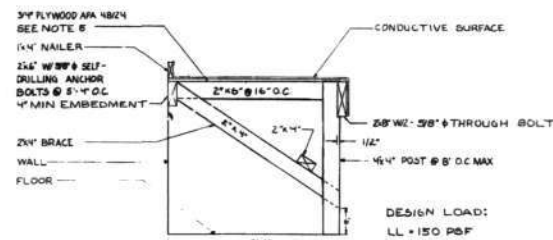
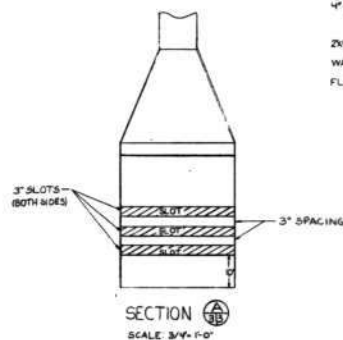
ABBREVIATIONS

PRD - PRESSURE REDUCING STATION
 GFCI - GOVERNMENT FURNISHED - CONTRACTOR INSTALLED
 EXIST - EXISTING
 MIN - MINIMUM
 AHU - AIR HANDLING UNIT
 FPM - FEET PER MINUTE
 IN WG - INCHES WATER

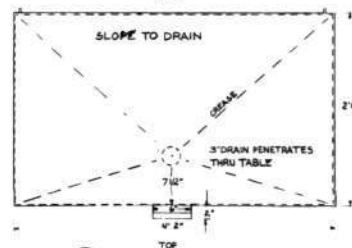
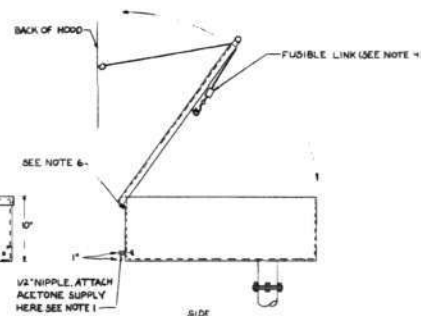




DETAIL ① FUME HOOD (3 VIEWS)
SCALE: 3/4\"/>



DETAIL ② WORKBENCH
SCALE: 1\"/>



DETAIL ③ ACETONE DIP TANK (3 VIEWS)
SCALE: 1/2\"/>

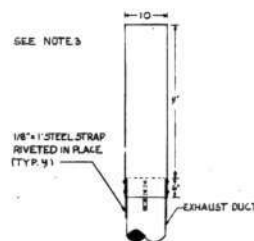
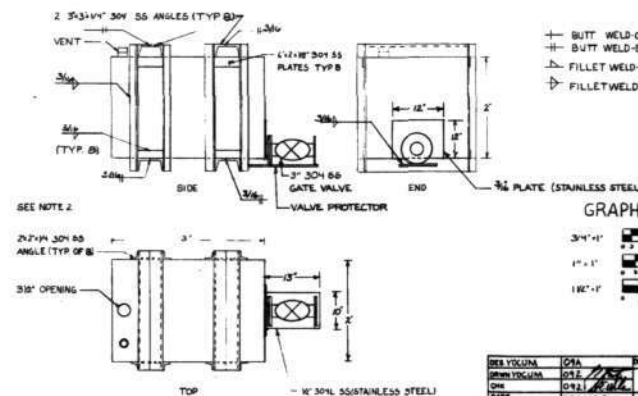


DIAGRAM ④ WEATHER CAP
SCALE: 3/4\"/>



DETAIL ⑤ ACETONE WASTE TANK (3 VIEWS)
SCALE: 1\"/>

REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL

NOTES

- 1) DIP TANK #1 NIPPLE SHALL BE ON RIGHT, DIP TANK #2 SHALL BE ON THE LEFT. DIP TANK TOP SHALL BE CONSTRUCTED OF 14 GA. 304L STAINLESS STEEL. SIDES & BOTTOM SHALL BE CONSTRUCTED OF 12 GA. 304L STAINLESS STEEL.
- 2) TOP (SIDES) OF ACETONE WASTE TANK SHALL BE CONSTRUCTED OF 14 GA. 304L STAINLESS STEEL. BOTTOM SHALL BE CONSTRUCTED OF 12 GA. 304L STAINLESS STEEL. VALVE PROTECTOR SHALL BE 1/2\"/>

ABBREVIATIONS

DIA. DIAMETER
MIN. MINIMUM
MAX. MAXIMUM

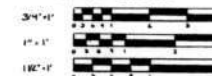
O.C. ON CENTER
TYP. TYPICAL

SYMBOLS

— BUTT WELD-ONE SIDE
— BUTT WELD-BOTH SIDES
— FILLET WELD-ONE SIDE
— FILLET WELD-BOTH SIDES

⌀ DIAMETER

GRAPHIC SCALE



DES. YOUNG		CHL		DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING COMMAND	
DRAWN/CHKD		CHL/CHL		NAVAL ORDNANCE STATION		INDIAN HEAD, D.C.	
DATE		07/11/68		PROJECT		ACETONE CLEANING	
APPROVED (C/L)		DATE		SIZE CODE IDENT NO.		NAVFAC DRAWING NO.	
07/11/68		1/6/68		F 80091		312-7902	
DRAWN/CHKD		DATE		SCALE GRAPHIC		SHEET 2 OF 4	
07/11/68		12/1/68		SHEET 2 OF 4		SHEET 2 OF 4	

CH-493



MHP# CH-493

Building 580, Extrusion Plant Historic District,
NAVAL Support Facility Indian Head
Charles County, Maryland

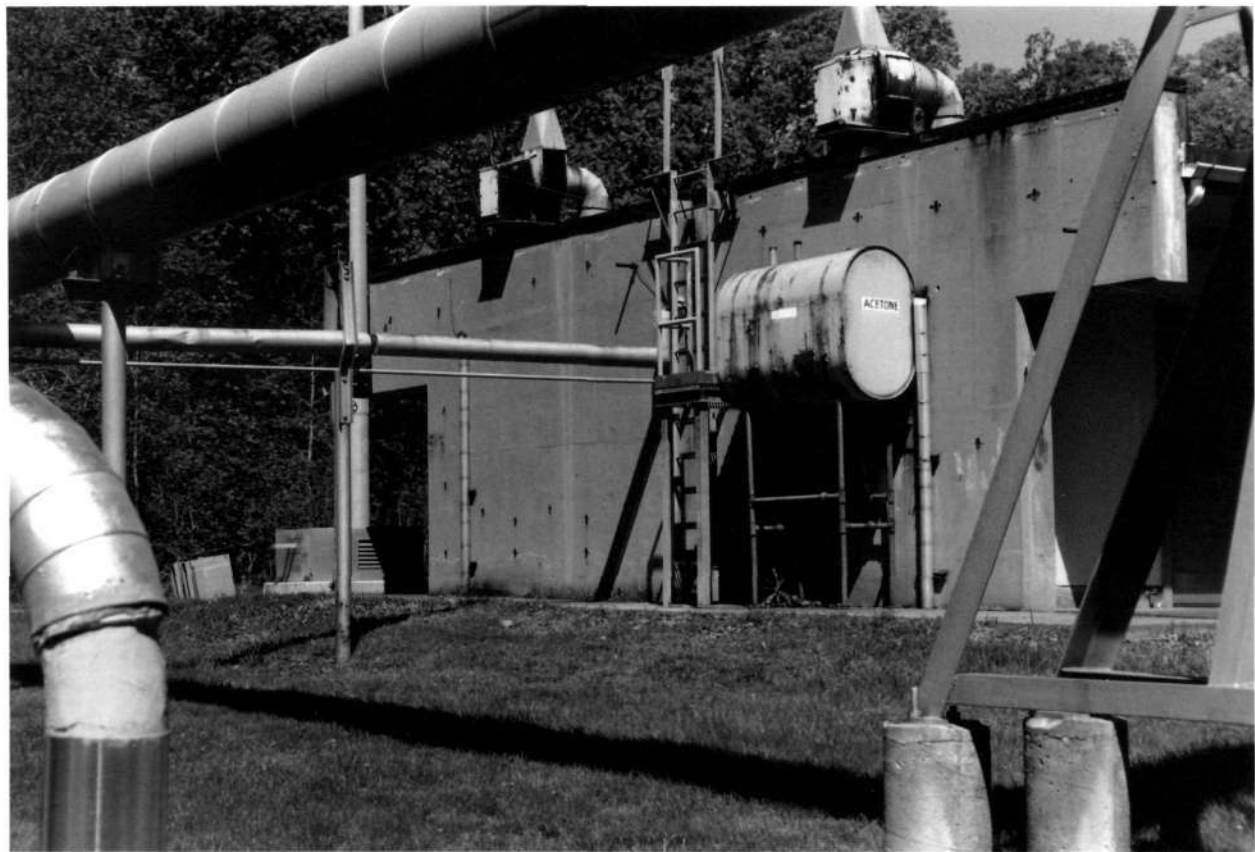
Photographer: Lisa Biddle (ERG)

Apr. 27, 2006

Location of negatives: MD SHPO

Subject: Building 580, Southwest Facade

1/7



MIHP # CH-493

Building 580, Extrusion Plant Historic District,
NAVAL Support Facility Indian Head
Charles County, Maryland

Photographer: Lisa Biddle (ERQ)

April 27, 2006

Location of negatives: MD SHPD

Subject: Building 580, South Façade

2/7



MIHP# CH-493

Building 580, Extrusion Plant Historic District,
Naval Support Facility Indian Head
Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 580, East Facade (2)

3/7



MHP# CH-493

Building 580, Extrusion Plant Historic District,
NAVAL Support Facility Indian Head

Charles County, Maryland

Photographer: LISA Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 580, North Facade

4/7



MIHP# CH-493

Building 580, Extrusion Plant Historic District,
NAVAL Support Facility Indian Head

Charles County, Maryland

Photographer: LISA Biddle (ERA)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 580, East Facade (3)

#577



MIHP# CH-493

Building 580, Extrusion Plant Historic District,
NAVAL Support Facility Indian Head

Charles County, Maryland

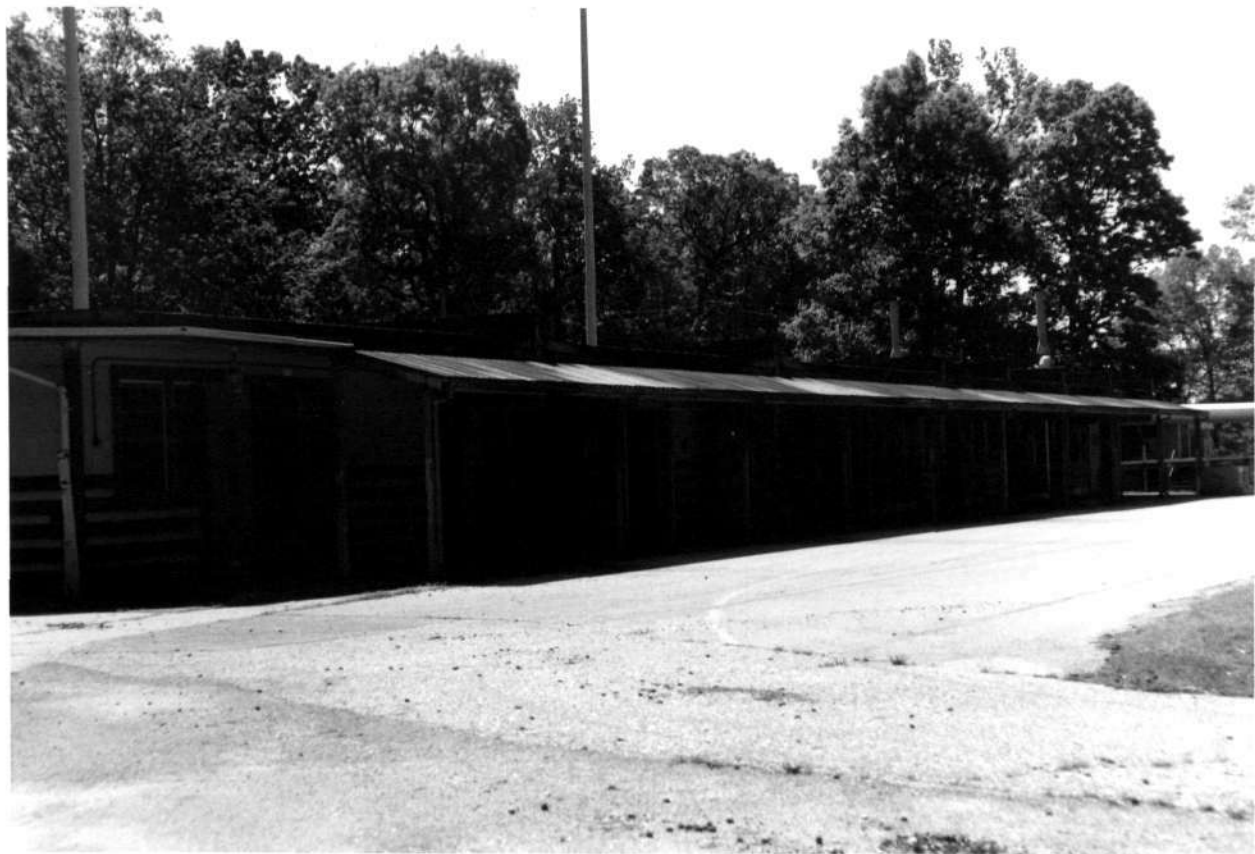
Photographer: LISA Biddle (ERG)

April 27, 2006

Location of negatives: 115 SHPO

Subject: Building 580, East Facade (1)

6/7



MHP# CH-493

Building 580, Extrusion Plant Historic District,
Naval Support Facility Indian Head
Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 580, West Tracade

7/7

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Building 581 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 581 is a one-story, brick building set on a concrete slab. A front gable roof clad in composition shingles surmounts the structure. The roof features boxed eaves. The primary elevation features a single entrance that contains a metal door. The rear elevation features a metal double door with two lights and a brick loading dock with a metal handrail. The building contains replacement metal-frame window units with three lights. A transom that is in-filled with plywood surmounts each window. Several window openings have been bricked up.

Building 581 was constructed as a storage building in 1944 and is currently vacant. The wholesale replacement of primary character defining features such as the doors and windows are associated with the building's recent use as an office. Building 581 no longer appears as a warehouse and no longer possesses integrity of design or materials.

Building 581 was constructed in 1944 as a die storage building at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance technology. Building 581 was constructed as a minor storage building used to store dies. The building was not

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

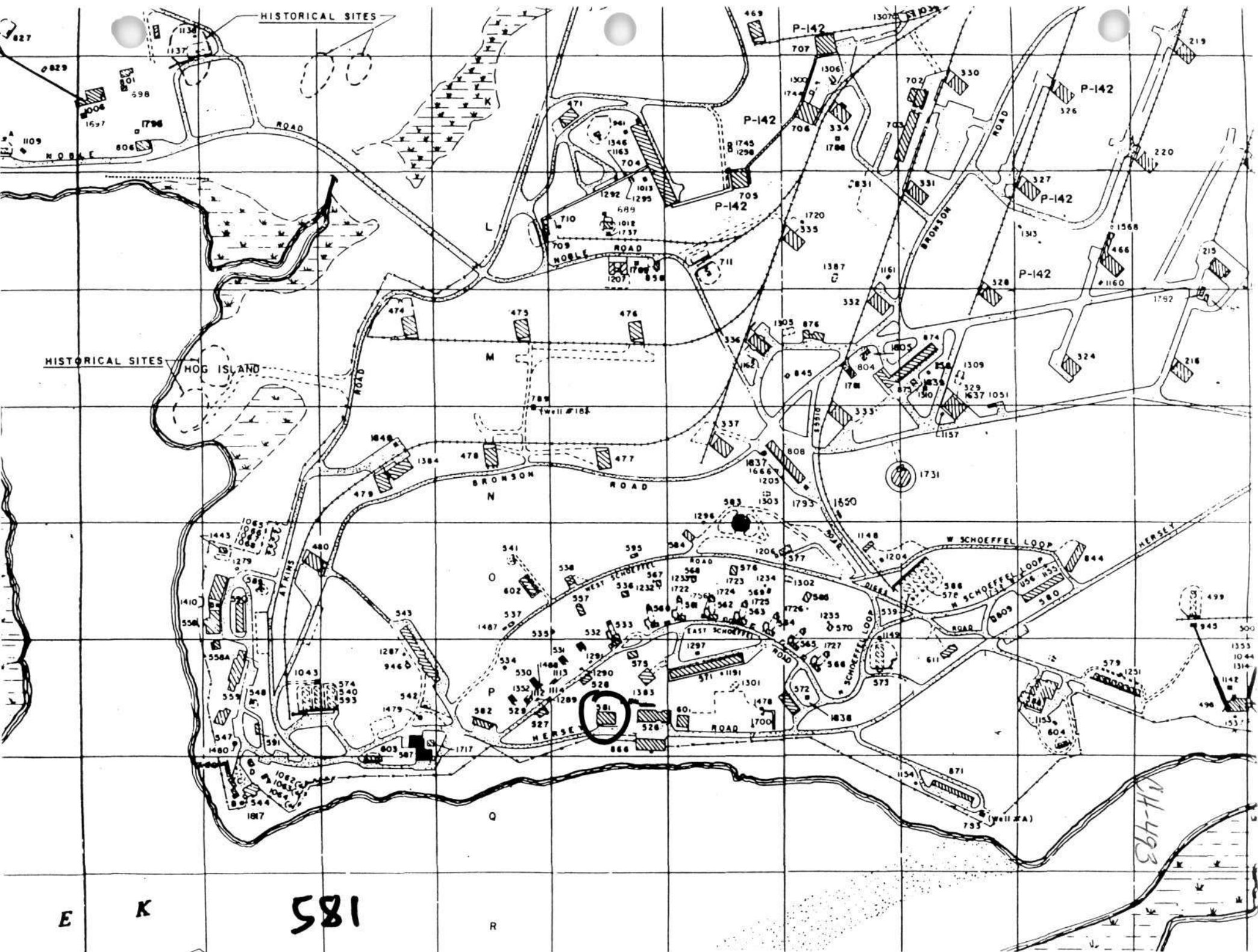
Date

Building 581 Indian Head NSWC

Page 2

directly associated with the extrusion process. In addition, the building no longer possesses sufficient integrity of design, feeling, and materials to convey its significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., Inc Date Prepared: 05/06/1998





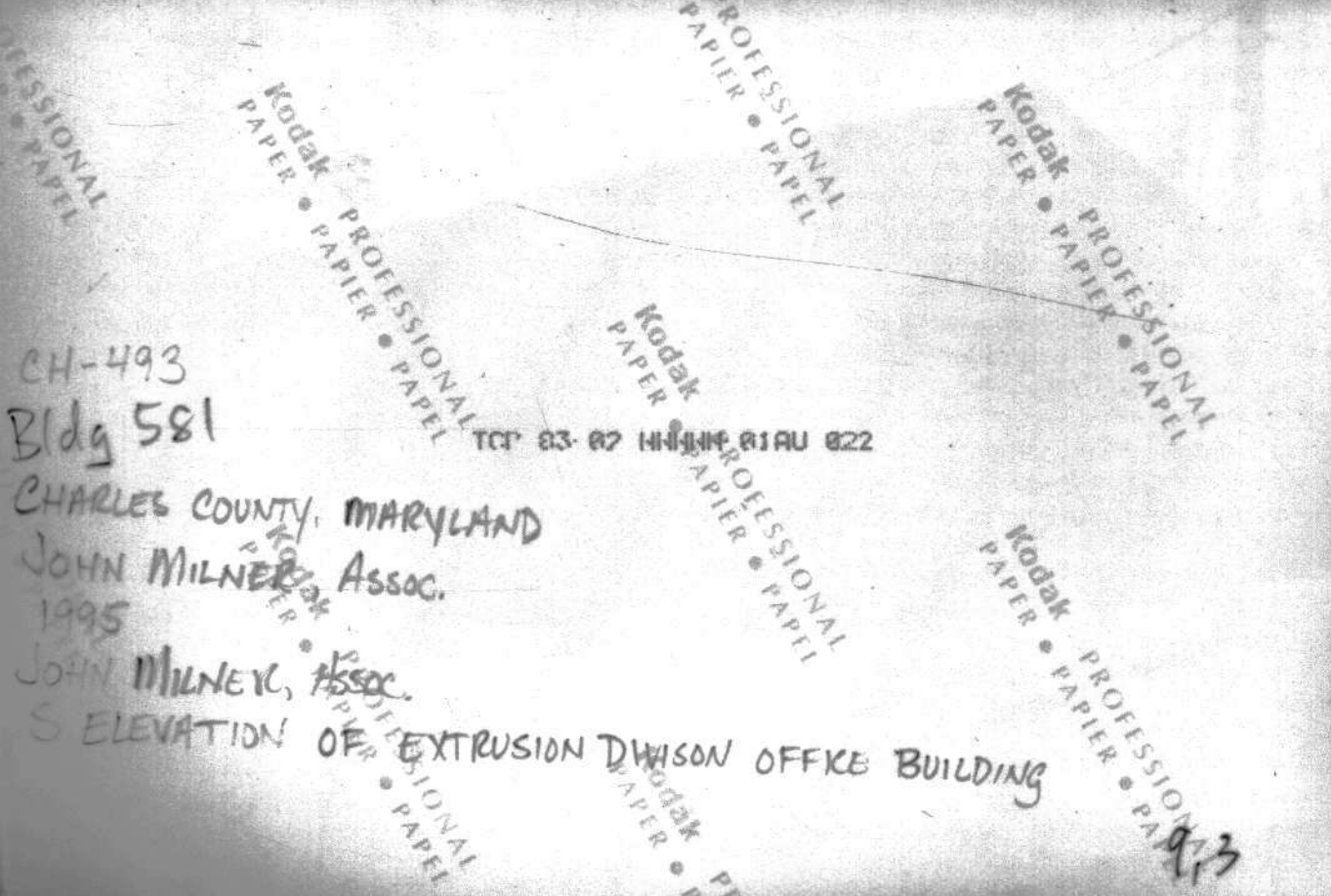
CH-493
Bldg 581

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995
JOHN MILNER, Assoc.

S ELEVATION OF EXTRUSION DIVISION OFFICE BUILDING



**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes ☐ no ☒

Property Name: Building 582 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ☐ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: ☒ no ☐ yes Name: _____ Date: _____
Is the property is located within a historic district? ☒ yes ☐ no

If the property is within a district District Inventory Number: CH-493
NR-listed district ☐ yes Eligible district ☒ yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource ☐ yes ☒ no Non-contributing but eligible in another context ☐ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ☐ yes ☐ no

Criteria: ☐ A ☐ B ☐ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 582 is a one-story, wood-frame building raised on a concrete slab foundation. The building is clad in corrugated metal. A built-up, flat roof with ventilation pipes surmounts the structure. One-story, corrugated metal, shed roof entry porches are located on the south and east elevations. The entrances incorporate single and double metal doors. The building contains wood-frame, six-over-six-light, double-hung sash windows.

Building 582 was constructed as a one-story shed and has recently been modernized as an office. Building 582 contains new siding and incorporates porch additions to the south and east elevations. These additions are associated with the building's contemporary use as an office and it no longer appears as a shed. These modifications have obscured the original function of the structure and have removed important character defining surfaces and features of the building. The building no longer possesses integrity of design or materials.

Building 582 was constructed in 1944 as a shed at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ☐ Eligibility not recommended ☒

Criteria: ☐ A ☐ B ☐ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

NR-ELIGIBILITY REVIEW FORM

Inventory Number: CH-493

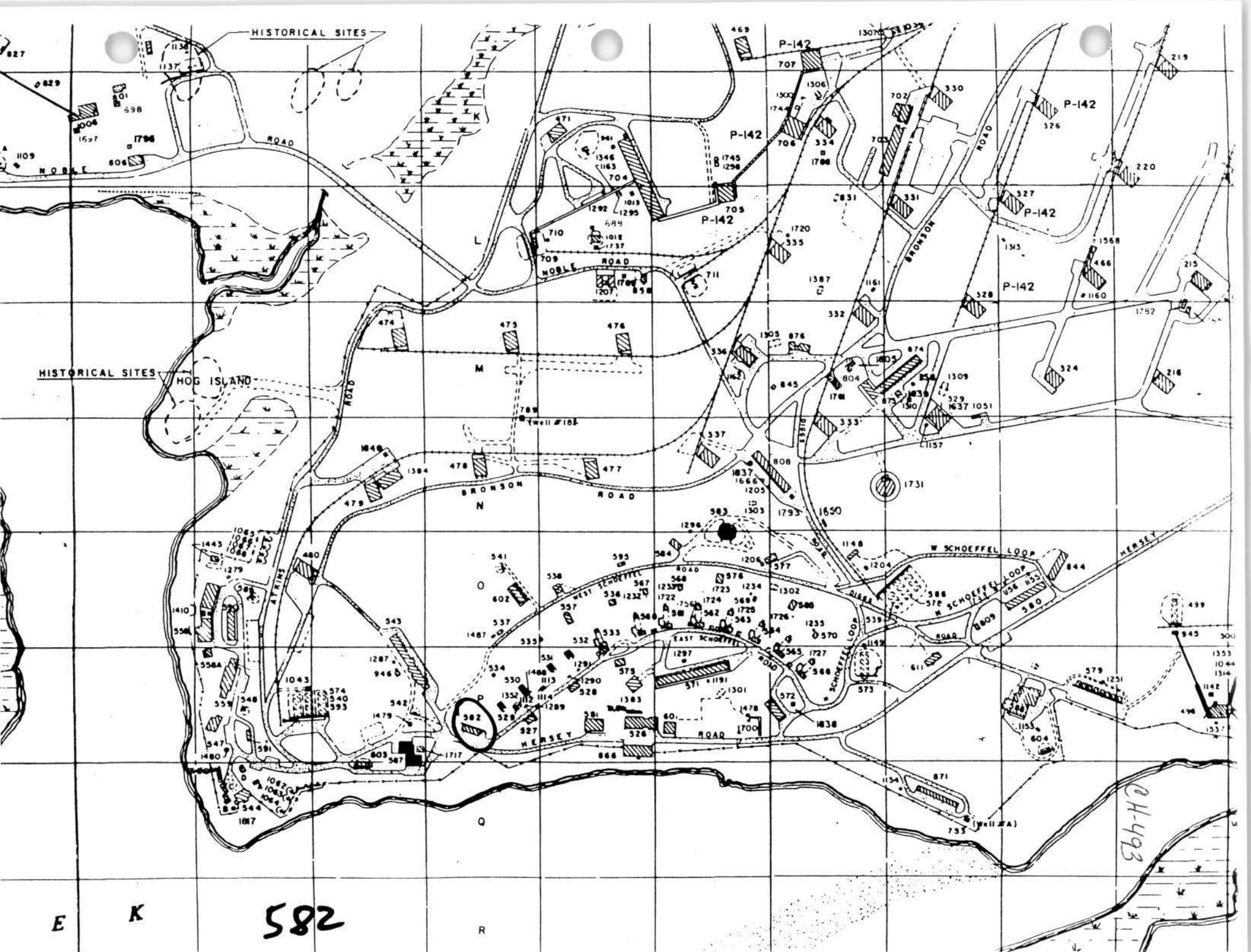
Building 582 Indian Head NSWC

Page 2

technology. Building 582 was a minor storage building not directly associated with the extrusion process. In addition, Building 582, no longer possesses sufficient integrity of design, feeling, and materials to convey its significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., Inc

Date Prepared: 05/06/1998





CH-2193
Bldg 582

CHARLES COUNTY MARYLAND
JOHN MILNER ASSOC.

1995
JOHN MILNER, ASSOC.

ELEVATION OF TEST OFFICE/METALLURGY LAB.

TCF 03 01 14111111 0000 012

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Building 588 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 588 incorporates three sections. The original building, which forms a central core, is a two-story, concrete structure surmounted by a flat roof. The block contains twelve-light, metal casement, awning windows adorned with concrete sills. A flat roof, concrete block addition is appended to the south elevation. The east (front) elevation contains a one-story, shed roof, corrugated metal addition. The east elevation of the shed roof addition contains multiple entrances including sets of four-light, wood panel, double doors and metal double doors. The elevation also exhibits fifteen-light, metal casement sash.

Building 588 was constructed in 1944 as a two-story, square x-ray building. The building has recently been modified as a production lab. Substantial additions to the primary and side elevations of the building have altered the original form, massing and plan of the structure. These modifications are associated with later uses of the building and it no longer appears as the x-ray facility. Building 588 no longer possesses integrity of design or materials.

Building 588 was constructed in 1945 as a x-ray building at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

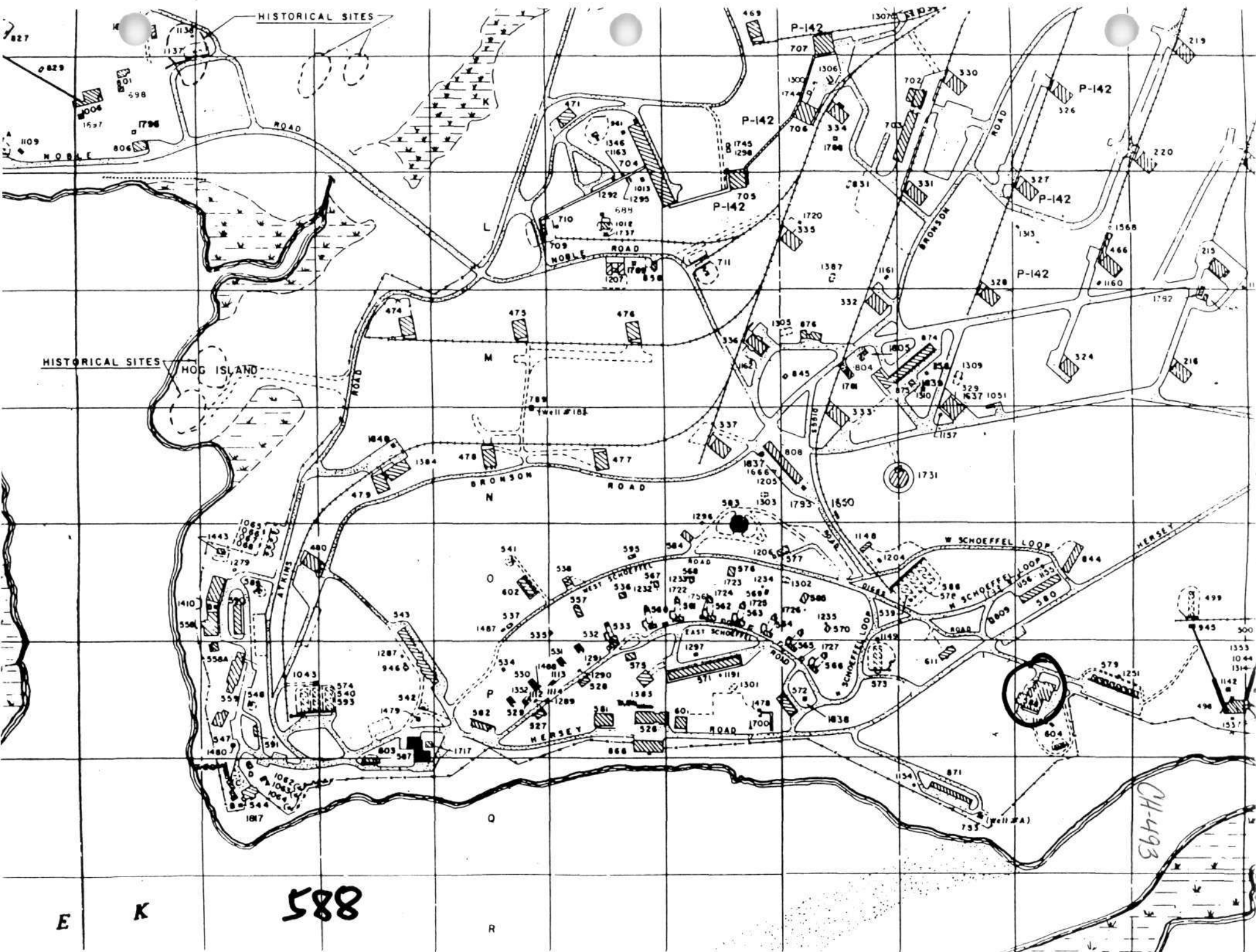
July 17, 1998

Date

Building 588 Indian Head NSWCPage 2

technology. Building 588 was used as a x-ray facility for testing explosive materials. Building 588, no longer possesses sufficient integrity of design, feeling, and materials to convey its significance with the Extrusion Plant.

Prepared by: R. Christopher Goodwin & Assoc., IncDate Prepared: 05/06/1998





CH-493

BLDG. 588

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995
JOHN MILNER, Assoc.

S ELEVATION OF MOTOR LOAD BUILDING

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Building 611 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 611 is a one-story, rectangular, wood-frame building raised on a concrete foundation. The building is two bays wide and six bays deep. The front gable roof is sheathed with asphalt shingles. Building 611 includes metal replacement doors on the north and east elevations. All windows are one-over-one-light, metal-sash, replacement units. Vinyl siding has been applied to all elevation walls.

Building 611 was constructed in 1945 as a temporary office. The building currently is used as a change house. Contemporary door and window replacements and residing have significantly altered the appearance of the original structure. Building 611 no longer possesses integrity of design or materials.

Building 611 was constructed in 1945 as a temporary office building at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance technology. Building 611 was a minor administrative personnel support structure not directly associated with the extrusion process.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

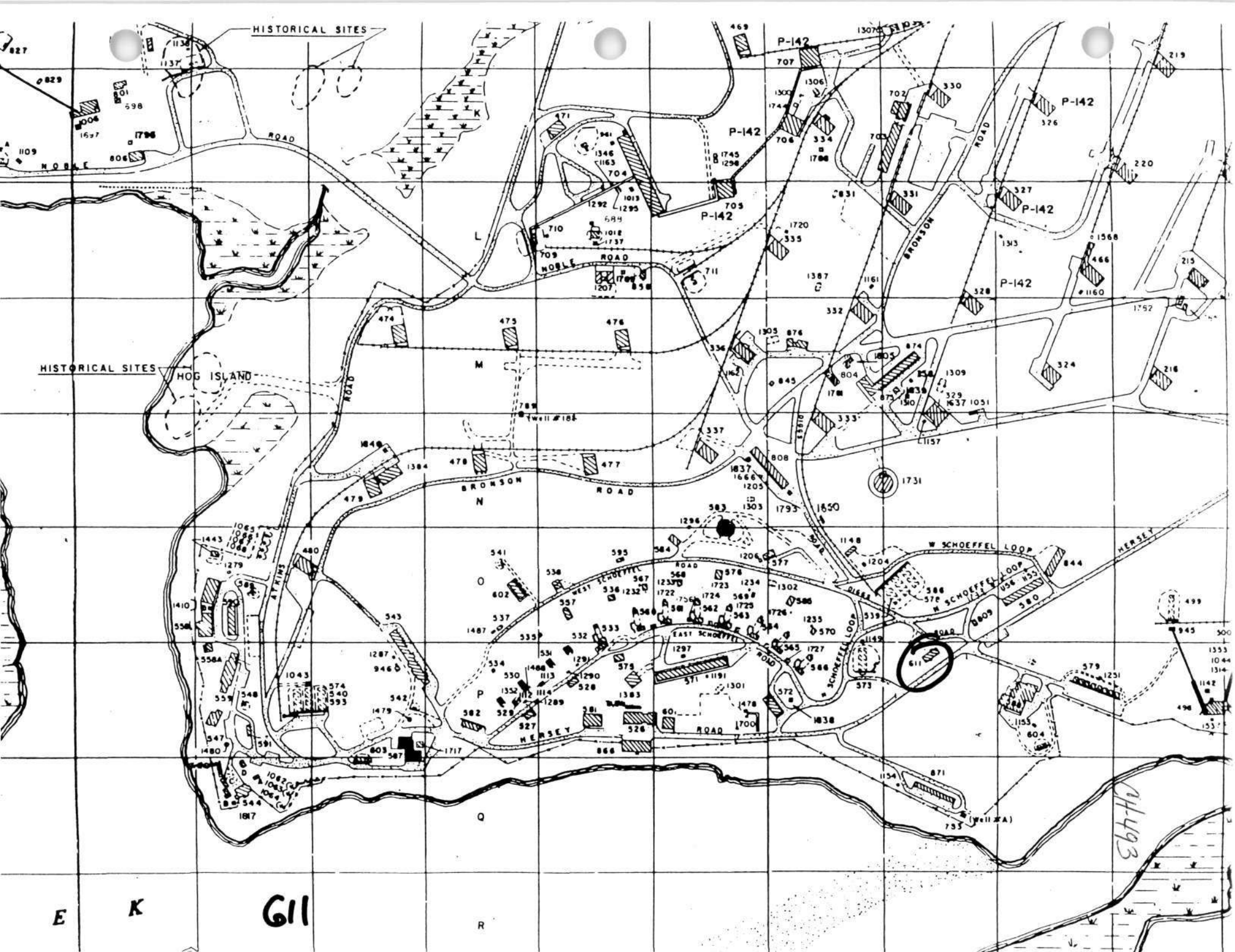
NR-ELIGIBILITY REVIEW FORM

Inventory Number: CH-493

Building 611 Indian Head NSWC

Page 2

Prepared by: R. Christopher Goodwin & Assoc., Inc Date Prepared: 05/06/1998





CH-493
BLD6. 611

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

ELEVATION OF CHANGHOUSE/LUNAR ROOM

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes ☐ no ☒

Property Name: Building 844 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ☐ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: ☒ no ☐ yes Name: _____ Date: _____
Is the property located within a historic district? ☒ yes ☐ no

If the property is within a district District Inventory Number: CH-493
NR-listed district ☐ yes Eligible district ☒ yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource ☐ yes ☒ no Non-contributing but eligible in another context ☐ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ☐ yes ☐ no

Criteria: ☐ A ☐ B ☐ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 844 is a one-story, rectangular, wood-frame building raised on a concrete foundation. The building is eight bays wide and two bays deep. A low-pitched gable roof that features metal ventilators surmounts the structure. The walls are finished with asbestos fiberboard panels. The primary elevation contains a centrally-located, corrugated metal, sliding door. The rear elevation contains three metal single doors and four louvered metal vents.

Building 844 was constructed in 1949 as a washing shed. The building contains few modifications and possesses integrity of location, design, and materials.

Building 844 was constructed in 1949 as a box washing shed at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance technology. Building 844 was a minor support structure utilized for cleaning packaging materials. The building was not directly associated with the extrusion process and was constructed after the period of significance for the extrusion plant.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ☐ Eligibility not recommended ☒

Criteria: ☐ A ☐ B ☐ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

NR-ELIGIBILITY REVIEW FORM

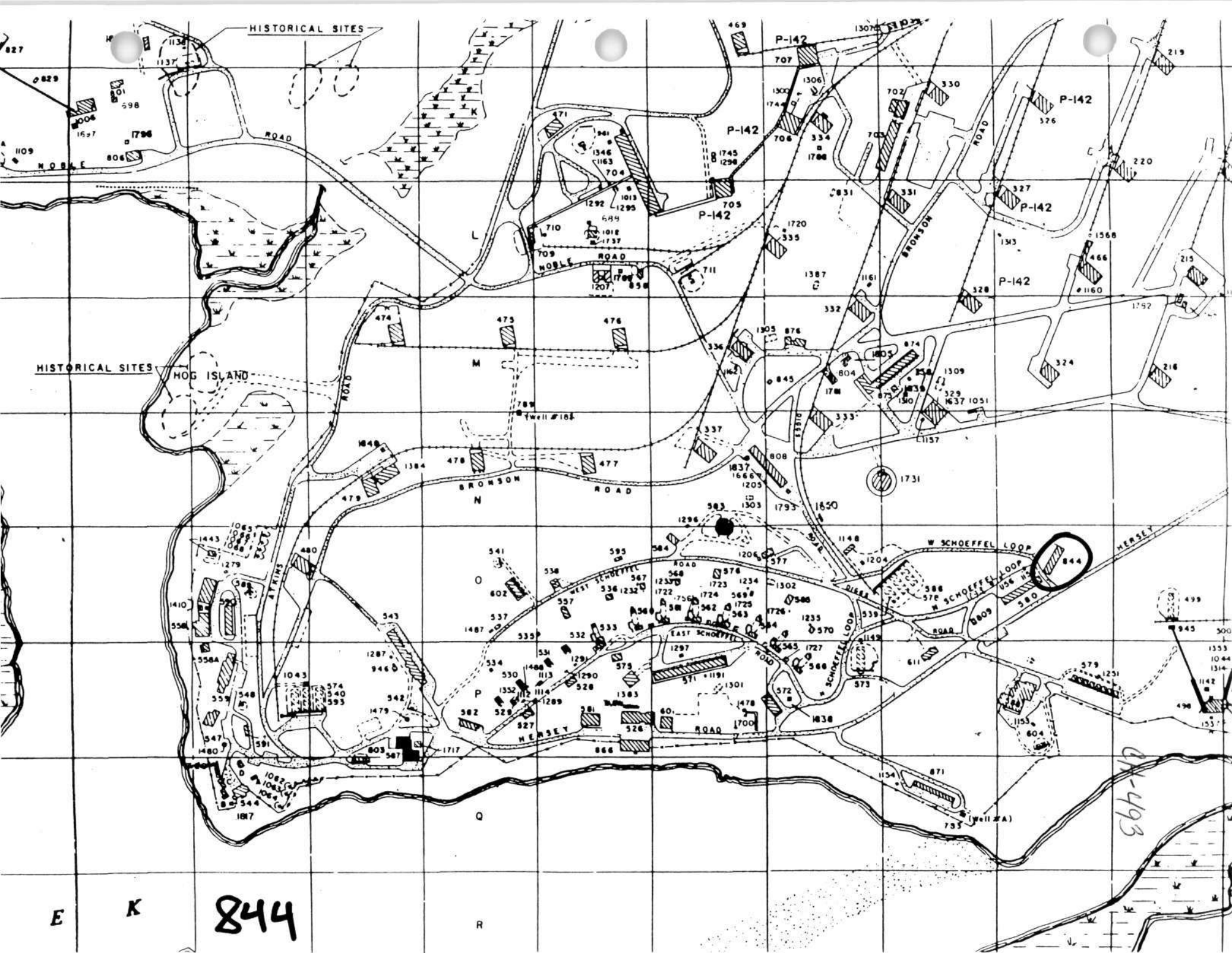
Inventory Number: CH-493

Building 844 Indian Head NSWC

Page 2

Prepared by: R. Christopher Goodwin & Assoc., Inc

Date Prepared: 05/06/1998





CH-493

Building 844

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

ELEVATION OF WAREHOUSE/STORAGE BUILDING - MOTOR LOAN

TCS 01 111111 11AU 015

12.5

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes _____
no X

Property Name: Facility 1301 Indian Head NSWC Inventory Number: CH-493
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? _____ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes _____ no

If the property is within a district District Inventory Number: CH-493
NR-listed district _____ yes Eligible district X yes Name of District: Indian Head Extrusion Plant HD
Preparer's Recommendation: Contributing resource _____ yes X no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible _____ yes _____ no

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Facility 1301 is an open transformer station that comprises three metal cylinders aligned on a rectangular concrete slab. The cylinders are connected by fabric covered cables supported by a wood utility pole at each end of the slab. A hurricane fence surrounds the transformer station. Two metal gates provide entry into the enclosure.

Facility 1301 was constructed in 1940 as a transformer station at the Extrusion Plant (1943-1946), an industrial complex added to the Indian Head installation during World War II. The Extrusion Plant is an industrial facility significant as the first full-scale rocket propellant production facility operated by and for the Navy. Both the layout of the plant and the production buildings comprising the plant illustrate an industrial process important to the navy and to the historical development of ordnance technology. Facility 1301 was a minor infrastructure support structure that was not directly associated with the extrusion process.

Prepared by: R. Christopher Goodwin & Assoc., Inc Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: _____ A _____ B _____ C _____ D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

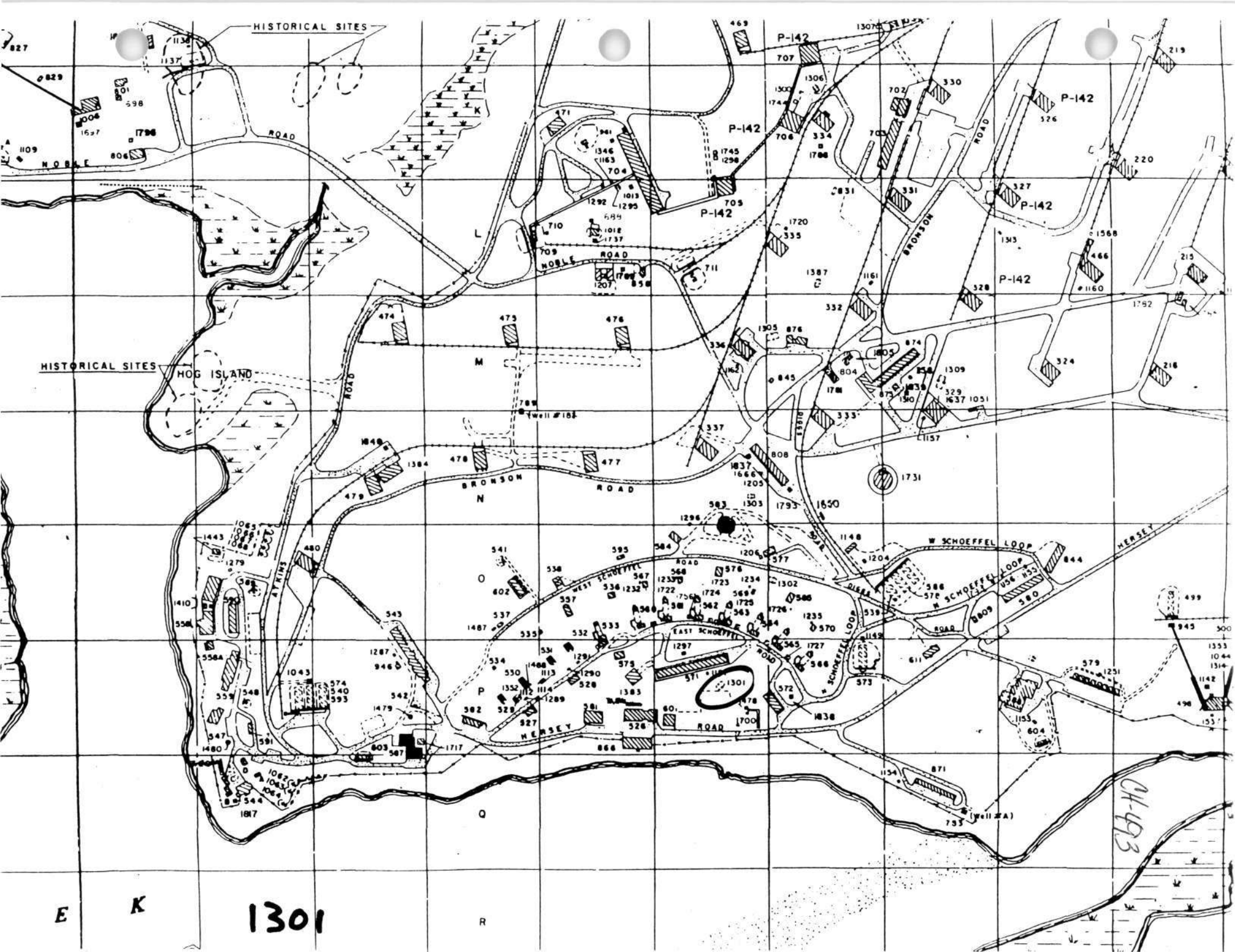
J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date





CH-493

Bldg. 1301

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

VIEW SE OF TRANSFORMER STATION

TCF 83 84 11111111 07AU 813

513

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ☐
no ☐

Property Name: Bldg. 1478, 1482, chlorinator equipment buildings Inventory Number: Contrib. Resource CH-493

Address: Hersey Road, Strauss Avenue City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the Navy

Site visit by MHT Staff: ☒ no ☐ yes Name: _____ Date: _____

Eligibility recommended ☐ Eligibility not recommended ☒

Criteria: ☐ A ☐ B ☐ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ None

Indian Head Extrusion Plant (EXP)

Is the property located within a historic district? ☐ no ☒ yes Name of district: Historic District

Is district listed? ☒ no ☐ yes Determined eligible? ☐ no ☒ yes District Inventory Number: CH-493

Documentation on the property/district is presented in:

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

The chlorinator equipment buildings, constructed in 1970, are 8' by 8' concrete-block buildings with flat roofs. A metal door provides access to each building.

Building 1478 was evaluated as part of the Indian Head Extrusion Plant and it was determined ineligible for the National Register. The chlorinator buildings are ubiquitous structures that bear no direct association with important themes and events at the Naval Surface Warfare Center, Indian Head. The facilities are less than 50 years old and do not possess exceptional significance. These facilities do not possess the qualities of significance or integrity for listing in the National Register of Historic Places. Structures that do not meet the criteria are classified Category IV under the Navy's HARP guidelines. Category IV properties do not possess historic importance.

Prepared by: R. Christopher Goodwin & Associates, Inc.

Date Prepared: October 2003

MARYLAND HISTORICAL TRUST REVIEW	
Eligibility recommended <input type="checkbox"/>	Eligibility not recommended <input checked="" type="checkbox"/>
Criteria: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None
Comments: _____	

<u>James J. Tully</u> Reviewer, Office of Preservation Services	<u>2/11/04</u> Date
<u>[Signature]</u> Reviewer, NR program	<u>3/2/04</u> Date

CH-493

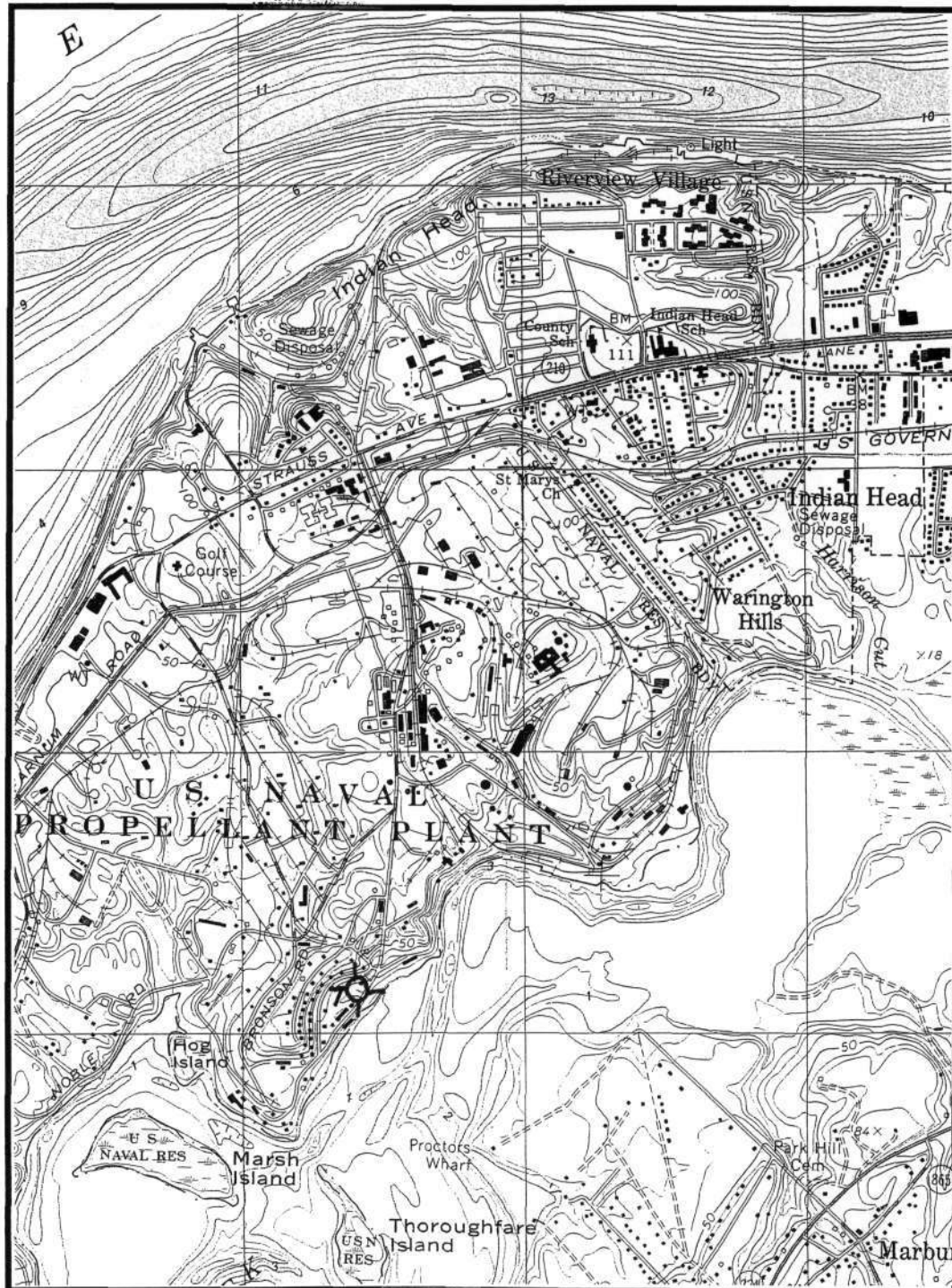
Locational Map

Bldg. 1478

Naval Surface Warfare Center, Indian Head

Charles County

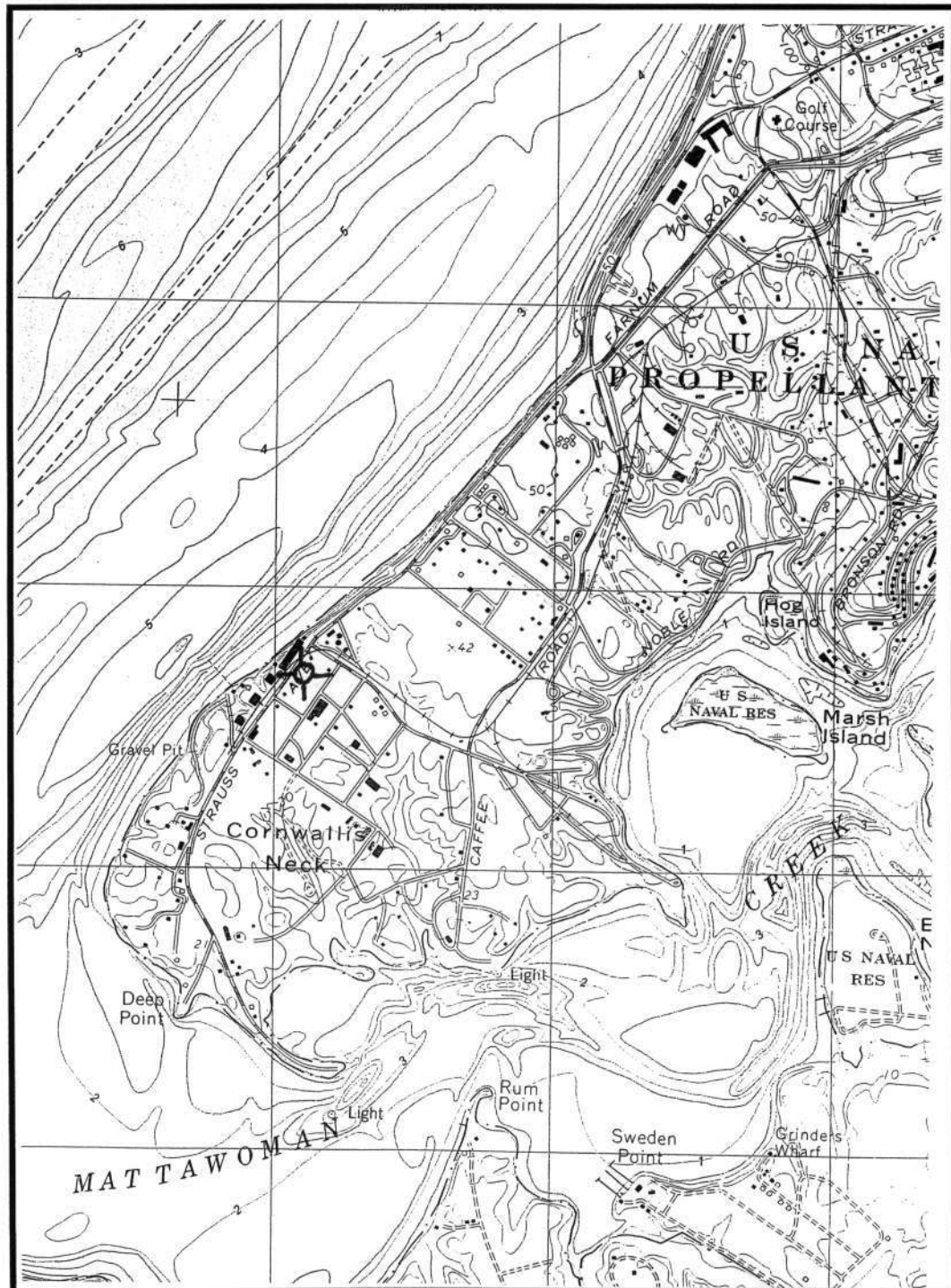
Indian Head Quadrangle



CH-493

Locational Map

Bldg. 1482
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle





1482

CH-493

Building 1482

Charles Co., Md.

B. Clevon

6/2003

Md SHPO

Left and front elevations

1 of 1

view 5